

Limit Switch Assemblies

This Valve Position Limit Switch assemblies enables a remote signaling of the control system the opening of the Bermad valve. It is equipped with one or two electrical switches actuated by closing or opening of the valve.

Two versions are available:

- **Single limit switch assembly:**
Equipped with one SPDT, signaling closed valve position.
- **Double limit switch assembly:**
Equipped with two SPDT, signaling closed and fully open valve positions.

Technical Data

Switch type

- SPDT (single pole double throw), 1NO, 1NC
- Silver contacts
- Galvanized isolated
- IP 65 rated (minimum)
- 5 Amps normal at 220VAC Rated
- Power: 125VAC, 250VAC, 24VDC, 125VDC and 250VDC
- Ambient temperature: -30 +55°C

Features

- Rigid construction
- Vibration resistant technology
- Switching element with snap-action contact

Material of Constructions

- Valve plug, cover plug, Bracket nut, cam: Stainless steel
- wetted parts: Stainless steel
- Enclosure: Epoxy coated aluminum with NBR seals.

Optional Materials:

Ni.Al.Bronze and Monel wetted parts

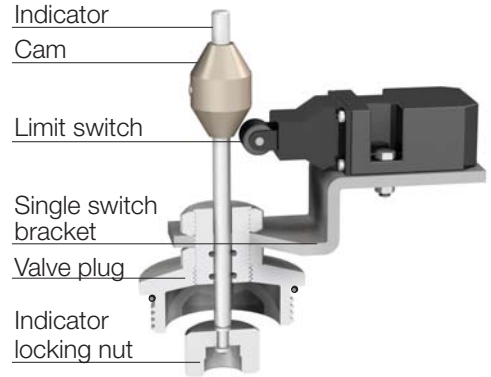
Limit Switch Selection Models

General Purpose Limit Switch, model S

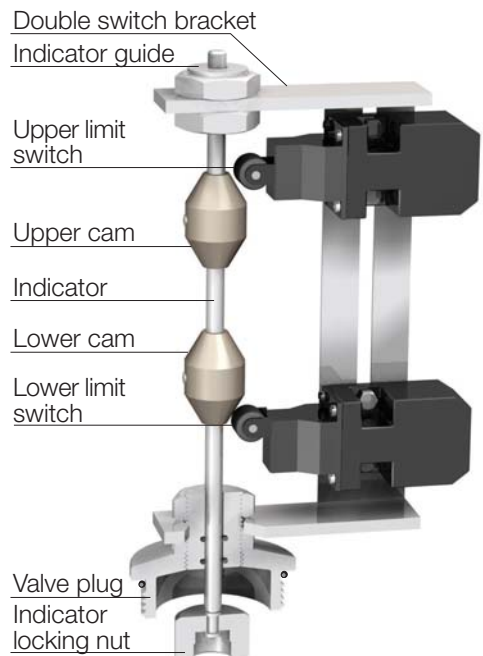
This SPDT limit switch is used in non-classified locations where no special certifications are required. It is rated for IP 66 ingress protection. It is rated for 10 Amps resistive and 3 Amps inductive at 28VDC with 5 Amp at 250VAC.

Explosion Proof Limit Switch, model S7

This SPDT limit switch is suitable for hazardous locations Class I, Division 1, Groups C, D and Class II, Division 1, Groups E, F, G to NEC 500, NEMA 7, 9 and IP 65 watertight. It is also ATEX certified for II 2G EEx d IIB T6. It is rated for 15 Amp at 125, 250, 48VAC 0.5 Amps at 125VDC, 0.25 Amps at 250VDC.



Single limit switch assembly



Double limit switch assembly

Harsh Environment EExd Proximity Switch, model S9

This limit switch assembly is suitable for harsh environment, it is all 316 Stainless steel construction equipped with a rigid proximity magnetic switch sensor. The switch is suitable for hazardous locations, ATEX certified for II 2G EEx d IIC T6 and UL-Listed for Class I, Division 1, Groups A, B, C, D and Class II, Division 1, Groups E, F, G to NEC 500, NEMA 4,4X, 7, 9.

The proximity sensor is hermetically sealed and requires a ferromagnetic target to operate the internal switch. It is equipped with Tungsten contacts and is electrically rated for 2 Amps at 24VDC, 3 Amps at 120VAC, 1.5 Amps at 240VAC.